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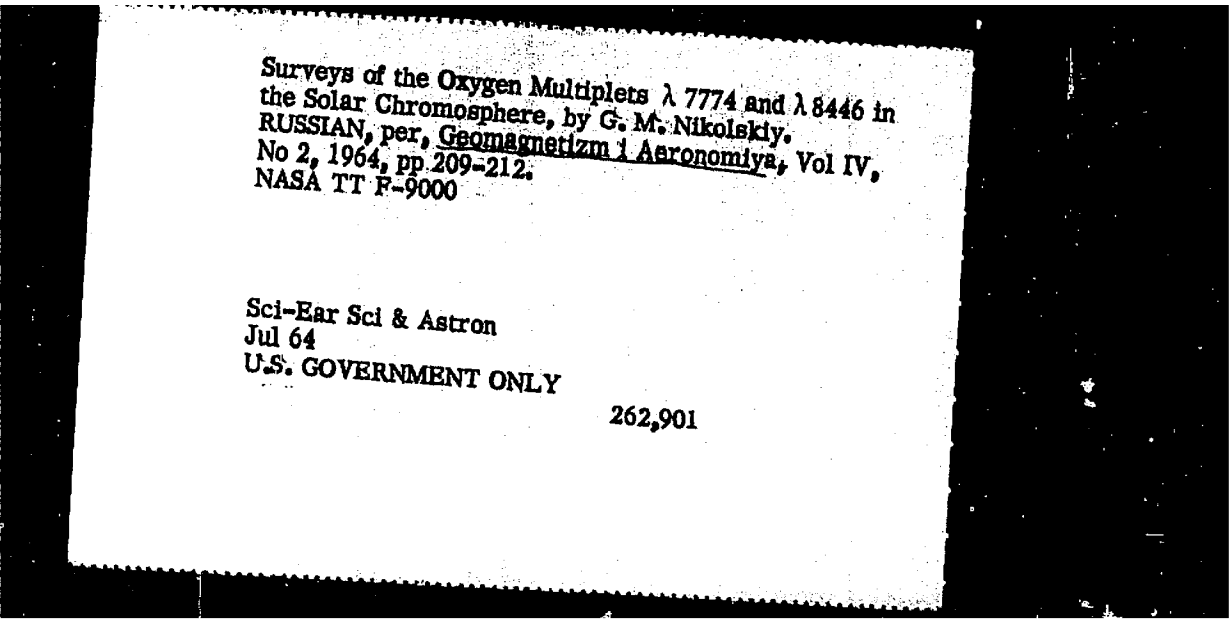

Surveys of the Oxygen Multiplets λ 7774 and λ 8446 in the Solar Chromosphere, by G. M. Nikolskiy.
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NASA TT F-9000

Sci-Ear Sci & Astron
Jul 64
U.S. GOVERNMENT ONLY

262,901

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140005-1

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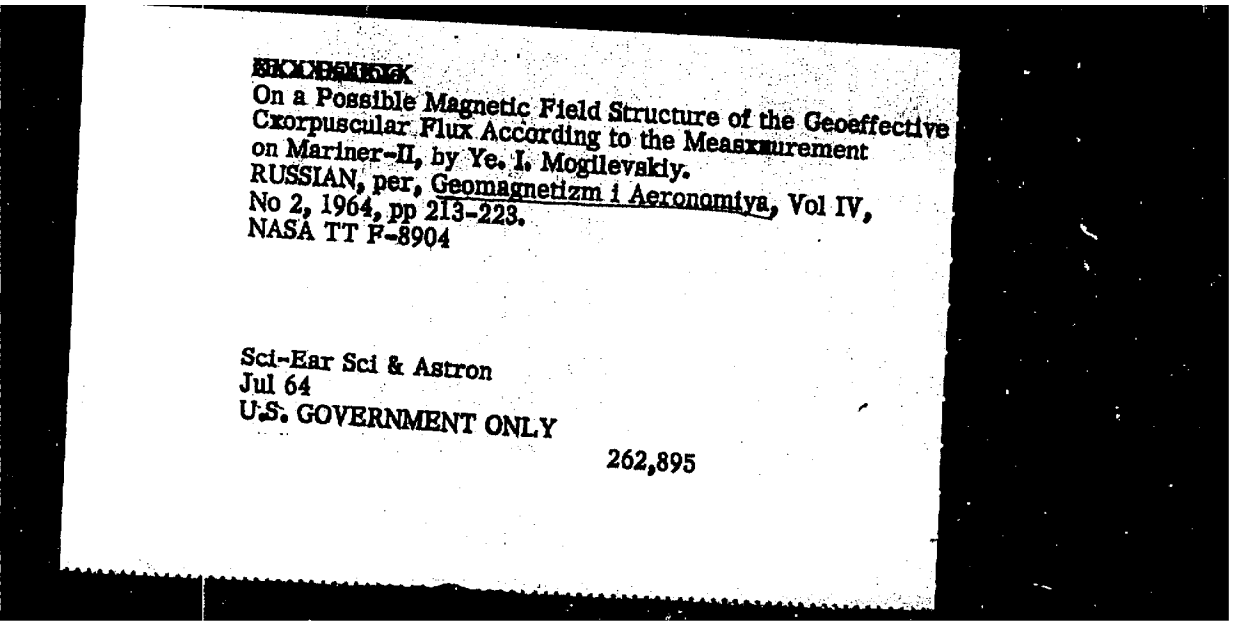

On a Possible Magnetic Field Structure of the Geoeffective Crorpuscular Flux According to the Measxmurement on Mariner-II, by Ye. I. Mogilevskiy.
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NASA TT F-8904

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Ionosphere Investigations Over the Atlantic Ocean, by G. V. Bukin.

(I RUSSIAN, per, Geomagnetism i Aeronomiya, Vol I, No 6, 1961, pp 832-834.

NASA TT F-8853

Sci
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Ozone Formation in Air Irradiated by α Particles, by N. N. Tantsova.
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NTC 69-12430-04A

Sci-Atmos Sci
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Slow Neutrons' Albedo at 30G . CM-2 Depth in the Atmosphere, by V. D. Sokolov, Yu. G. Shafer.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol II, No 5, 1962, pp 836-838.

NASA TT F-8330

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Doppler Effect in a Magnetoactive Ionosphere,
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RUSSIAN, per, Geomagnetism i Aeronomiya, Vol II,
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NASA TT F-8317

Navy Tr 3482/APL 926

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On Certain Laws Governing the Altitude Distribution of Ion Concentrations in the Atmosphere, by S. P. Yatsenko.

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NASA TT F-8312

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Properties of Refractive Indices, Transmission and Damping Coefficients of the Ionosphere at Low and Superlow Frequencies, by D. S. Fligel.

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Effect of a Local Increase in Conductivity of the E-Layer of the Ionosphere on the S_q-Variation of the Earth's Magnetic Field, by K.G. Ivanov.

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NASA TT F-8320

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Interaction of Weak Solar Corpuscular Streams With the Upper Atmosphere, by M. S. Kovner, V. Yu. Trakhtengerts. RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol II, No 6, 1962, pp 1053-1060.

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Stationary State of Corpuscular Streams Corresponding to the Most Common Forms of Polar Aurorae, by V. I. Pogorelov.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol II, No 6, 1962, pp 1076-1079.
NASA TT F-8435

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1962, p 1142.

NASA TT F-8433

Uci - E.S. & Ast
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Regularity of the E-Layer Above South Sakhalin, by P. V. Konnova. RUSSIAN, per, Geomagnetizm i Aeronomiy, Vol II, No 6, 1962, pp 1146-1147.

NZDIA

Sci - Earth Sci

Feb 64 250,505

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RADIO INVESTIGATIONS OF THE STRUCTURE OF THE IONOSPHERE BY MEANS OF KOSMOS ARTIFICIAL EARTXH SATELLITES AT COHERENT FREQUENCIES (PRELIMINARY RESULTS), BY YA. L. AL'PERT, V. B. BELYANSKIY, ET AL, 27 PP .

RUSSIAN, PER, GEOMAGNETIZM I AERONOMIYA, VOL III, NO 1, 1963, PP 10-24.

JPRS 19069

NASA TT F-8418

SCI-AEROSPACE
MAY. 63

229,955

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OTS 63-11696

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140005-1

Shmelovskii, K. Kh., Klinker, P., and Knut, R.
ELECTRON CONCENTRATION IN THE UPPER IONOSPHERE FROM OBSERVATION OF THE THIRD SOVIET SATELLITE, tr. by C. R. Haave. 6 Aug 63, 17p 9refs APL/JHU TG 230-T396.
Order from OTS $0.50 63-11684

Trans. of *Geomagnetizm i Aeronomiya (USSR) 1963, v. 3, no. 1, p. 25-36.

DESCRIPTORS: *Ionosphere, *Upper atmosphere, *Electron density, Satellites (Artificial), Magnetic tape, Radio signals, Magneto-optic effect, Measurement, Geophysics.

During the entire time of flight of the third Soviet satellite (Satellite 1958 δ 2), low-frequency (20 mc) records were regularly made at the Kühlungsborn Observatory (φ = 54° 07'N, λ = 11°46'E, φ = 54.4°N, (Earth Sciences--Atmosphere, TT, v. 10, no. 9)(over)

63-11684

I. Shmelovskii, K. Kh.
II. Klinker, P.
III. Knut, R.
IV. APL/JHU TG-230-T396
V. Applied Physics Lab., Johns Hopkins U., Silver Spring, Md.
VI. Contract NOw-62-0604-c

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On the Structure of the Boundary Layer Between the Magnetic Field and the Plasma Flow, by Yu. G. Sigov, B. A. Tverskoy.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 1, 1963, pp 43-49.
NASA TT F-8421

Sci - Engr, Phys
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Some Results of Investigations of Parameters of the Ionosphere's Irregular Structure, Taking Into Account the Coherently Reflected Part of the Signal in the F_2-Region, by V. A. Checha.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 1, 1963, pp 73-78.

NASA TT F-8420

Sci - Aero
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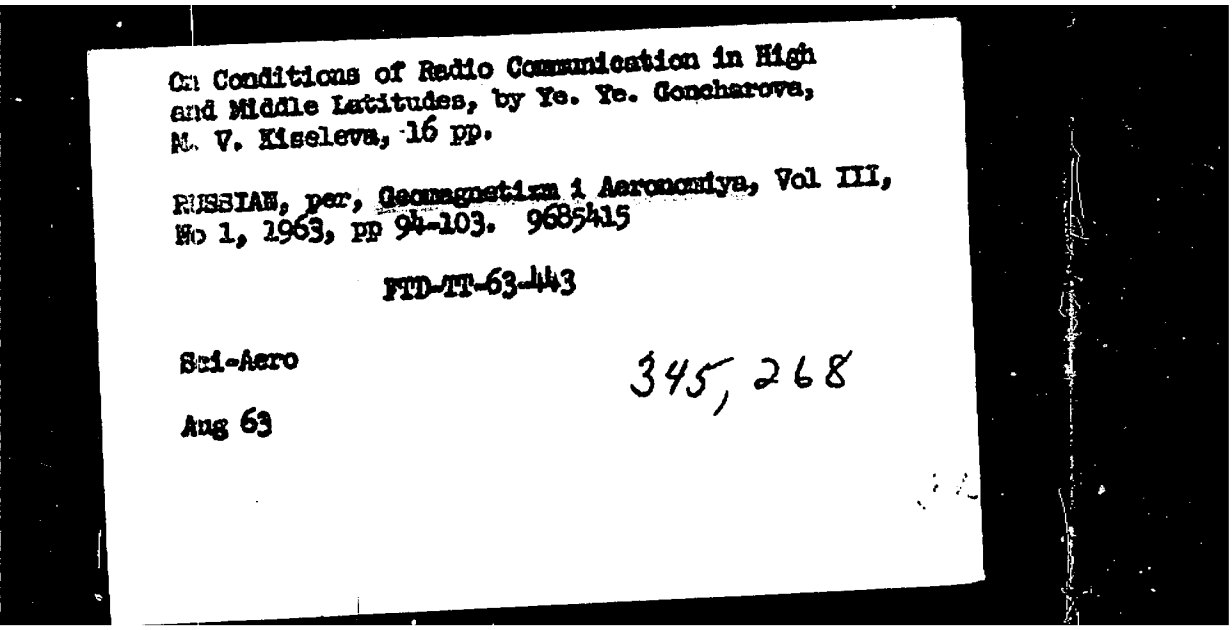

On Conditions of Radio Communication in High and Middle Latitudes, by Ye. Ye. Goncharova, M. V. Kiseleva, 16 pp.

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 1, 1963, pp 94-103. 9685415

FTD-TT-63-443

Sci-Aero

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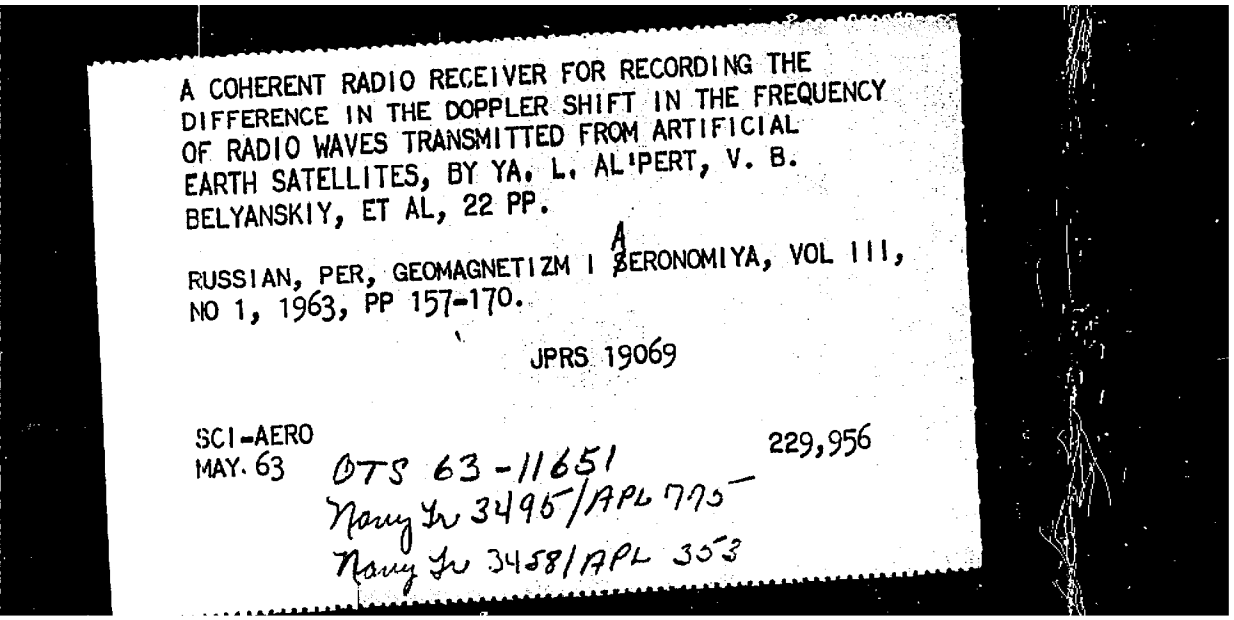

A COHERENT RADIO RECEIVER FOR RECORDING THE DIFFERENCE IN THE DOPPLER SHIFT IN THE FREQUENCY OF RADIO WAVES TRANSMITTED FROM ARTIFICIAL EARTH SATELLITES, BY YA. L. AL'PERT, V. B. BELYANSKIY, ET AL, 22 PP.

RUSSIAN, PER, GEOMAGNETIZM I AERONOMIYA, VOL III, NO 1, 1963, PP 157-170.

JPRS 19069

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MAY. 63

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OTS 63-11651
Navy Tr 3495/APL 775
Navy Tr 3458/APL 353

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140005-1

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Mikhailova, G. A. and Kurakina, T. I.
THE PHASE VELOCITY OF ELECTROMAGNETIC WAVES IN THE 1-25 KC RANGE, tr. by C. R. Haave. 5 Sep 63, 7p 8refs APL/JHU TG 230-T402.
Contract NOw 62-0604-c
Order from OTS $0.50 TT-63-11712

Trans. of #Geomagnetizm i Aeronomiya (USSR) 1963, v. 3, no. 2, p. 223-226.

DESCRIPTORS: *Electromagnetic waves, Very low frequency, Velocity, *Atmospherics, Harmonic analysis, Ionosphere models

The average phase velocity of electromagnetic waves in the 1-25 kc range was determined by harmonic analysis of atmospherics recorded simultaneously at Moscow and Leningrad, during the daytime and at ranges r > 1000 km. The nature of the dependence of $\bar{v}/c$ on fre-
(Physics--Wave Propagation, TT, v. 11, no. 1) (over)

TT-63-11712

I. Mikhailova, G. A.
II. Kurakina, T. I.
III. APL/JHU TG-230-T402
IV. Applied Physics Lab., Johns Hopkins U., Silver Spring, Md.
V. Contract NOw 62-0604-c

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Relationship of F2-Layer's Perturbation With the Planetary Magnetic Activity, by A. S. Besprozvannaya. RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 2, 1963, pp 262-268.
NASA TT F-8601

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254,835

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LOCAL SOIL CONDUCTIVITY AND ITS DISTRIBUTION ON USSR TERRITORY, BY V. YE. KASHPROVSKIY, 19 PP

RUSSIAN, PER, GEOMAGNETIZM I AERONOMIYA, VOL III, NO 2, 1963, PP 297-308.

JPRS 21428

SCI-EAR SCI & ASTRON
~~E~~OCT 63

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Kinetic's Equation of Strong Shock Wave Ionization in the Air, by V.A. Bronshten.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 3, 1963, pp 456-462.
NASA TT F-8614

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Al'pert, Ya. L.
ON REFRACTION AND DOPPLER FREQUENCY SHIFT OF RADIOWAVES EMITTED BY AN ARTIFICIAL EARTH SATELLITE (AES) IN A THREE-DIMENSIONALLY INHOMOGENEOUS IONOSPHERE.
[1963] 13p 5refs
Order from OTS, SLA, or ETC $1.60 TT-63-20631

Trans. of #Geomagnetizm i Aeronomiya (USSR) 1963, v. 3, no. 4, p. 626-634.

DESCRIPTORS: Ionosphere, *Ionospheric propagation, *Radio waves, *Refraction, *Doppler effect, Satellites (Artificial).

(Physics--Wave Propagation, TT, v. 11, no. 3)

TT-63-20631

I. Al'pert, Ya. L.

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On the Connection of the Magnetic Field in the Atlantic With the Relief of the OKcean Floor, by M. M. Ivanov, 6 pp.
RUSSIAN, per, Geomagnet i Aeron, Vol III, 1963, pp 781-783. 922-0435
AEC-SC-Tr-535

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S-932/63

Results of Radio-Observations of AES Kosmos-1 and Kosmos-2 Made in the Crimea, by N. A. Mityakov, et al. (~~[illegible]~~) 18 pp

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 5, 1963, pp 815-822.

Emmanuel Co/Ris Lang CTS
JPRS ([illegible])
SPECIAL
E-T-8-64-20
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Sci - Electron
Oct 63

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Experimental Data on the Power of Energy Sources in the Ionosphere, by A. D. Danilov, G. S. Ivanov-Kholodnyy.
KKK RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 5, 1963, pp 850-857.
NASA TT F-8649

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S-932/63

Method of Investigating the Structure of the Ionosphere by Means of Ground Reception of AES Radio Signals, by N. A. Mityakov, et al, 14 pp

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 5, 1963, pp 858-867.

JPRS, DC-[illegible], [illegible]

Sci - 2 ea/ron
Oct 63

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SI-934/63

Correlation of Electroconductivity of Soils and Their Physicochemical Properties, by V. Ye. Kushprovskiy, 18 pp

RUSSIAN, per., Geomagnetizm i Aeronomiya, Vol III, No 5, 1963, pp 961-967.

JPRS, [illegible]

Sci - Earth Sci & Astron
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S-934/63

Conductivity and M gnitude of a Non-Conducting L yer in the C se of a Cylindrical M del of the Ea th in Application of D_{st}-[redacted] V riations, by N. M. Romanova,

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 5, 1963, pp 968-975.

JPRS/[redacted]

Sci - Earth Sci & A tron
Oct 63

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S-11/64

A head, Shock wave in Front of the Earth and its Influence on the Radiation Belts, by M. A. Gintsburg, (DC-10183)

RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol III, No 6, 1963, pp 1127-1128.

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Supersonic Motion of a Body in a Plasma,
by A. V. Gurevich, L. P. Pitayevskiy.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol IV,
No 5, 1964, pp 817-824.
NASA TT F-91#74

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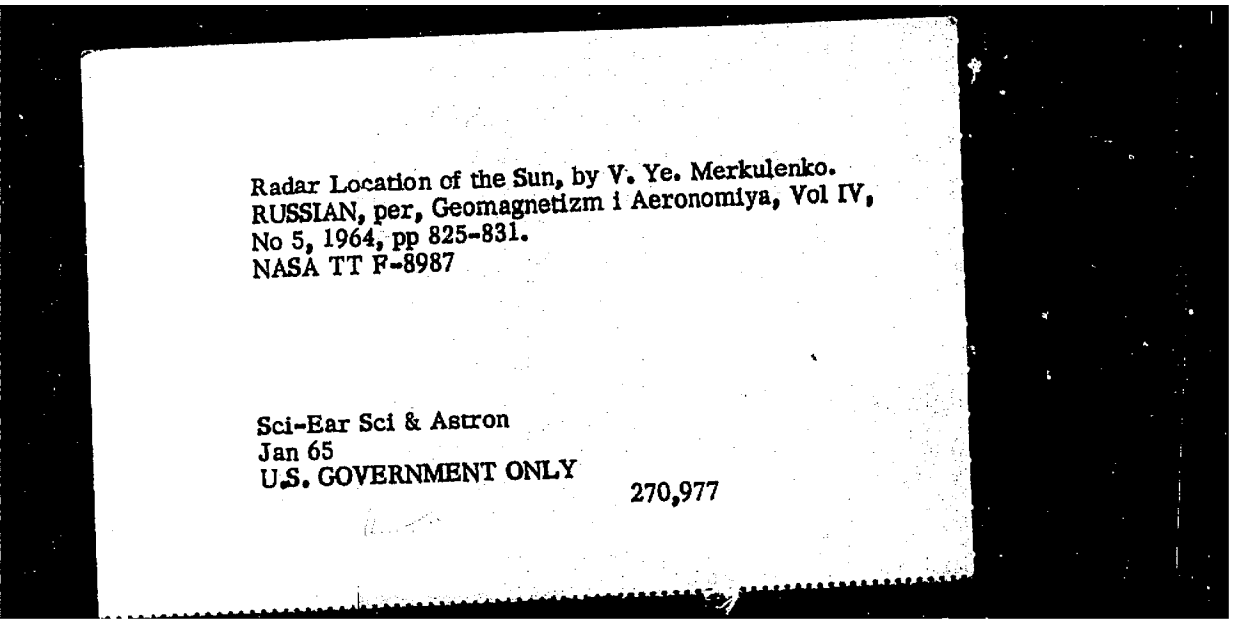

Radar Location of the Sun, by V. Ye. Merkulenko.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol IV,
No 5, 1964, pp 825-831.
NASA TT F-8987

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Polarization Measurements of Zodiacal Light,
by N. B. Divari, S. N. Krylova, et al.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol IV,
No 5, 1964, pp 881-885.
NASA TT F-28989

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On the Concentration of Dust in the Upper Atmosphere Layers, by N. B. Divari.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol IV, No 5, 1964, pp 886-891.
NASA TT F-8990

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Magnetohydrodynamics of the Earth's Core,
by S. I. Braginskiy.
RUSSIAN, per. Geomagnetizm i Aeronomiya,
Vol IV, No 5, 1964, pp 898-916.
NASA TT F-9273

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Geomagnetic Eccentric Dipole, by N. P. Ben'kova, et al.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol IV,
No 5, 1964, pp 917-923.
NASA TT F-9612

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Character of the Space-Time Distribution of Solar Cosmic Rays in Inter-Planetary Space, by L. I. Dorman, L. I. Miroshnichenko.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol IV, No 5, 1964, pp 940-944.
NASA TT F-9617

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Study of the Variability of the Total Ionizing Component of Cosmic Rays, by Yu. Dubinski, L. Khalupka.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol IV, No 5, 1964, pp 945-947.
NASA TT F-[redacted]9616

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Temperature Effect of the Neutron Component of Cosmic Rays in a Period of High Solar Activity, by N. S. Kaminer, et al.
RUSSIAN, per, Geomagnetizm i Aeronomiya, Vol IV, No 5, 1964, pp 946, 947.
NASA TT F-9618?

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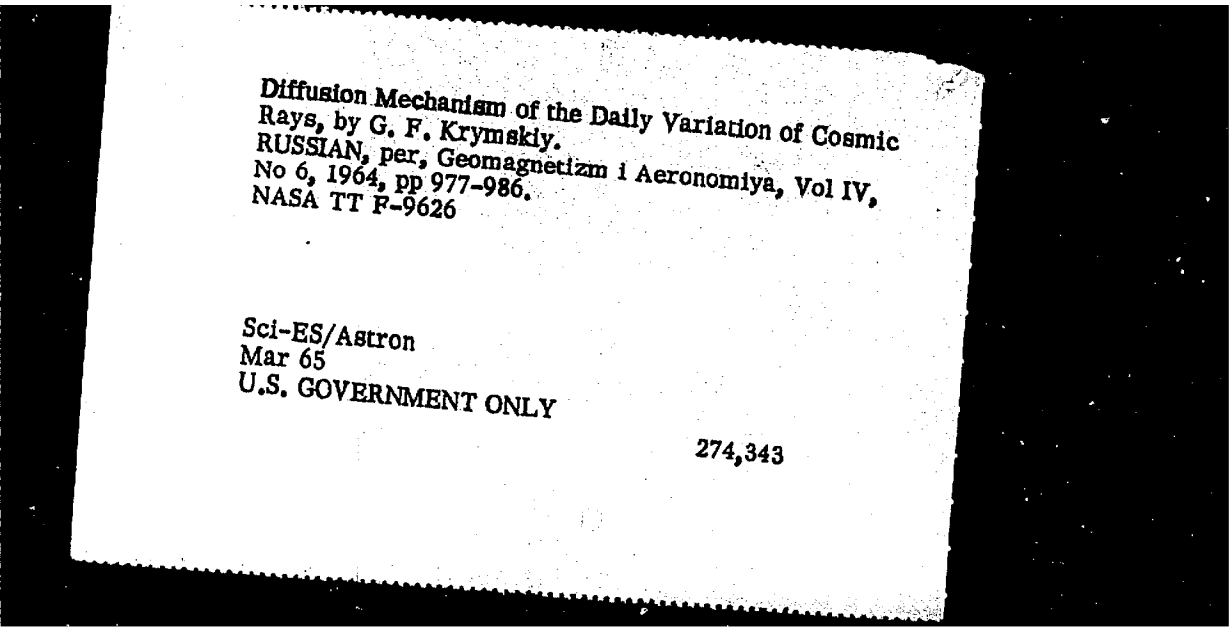

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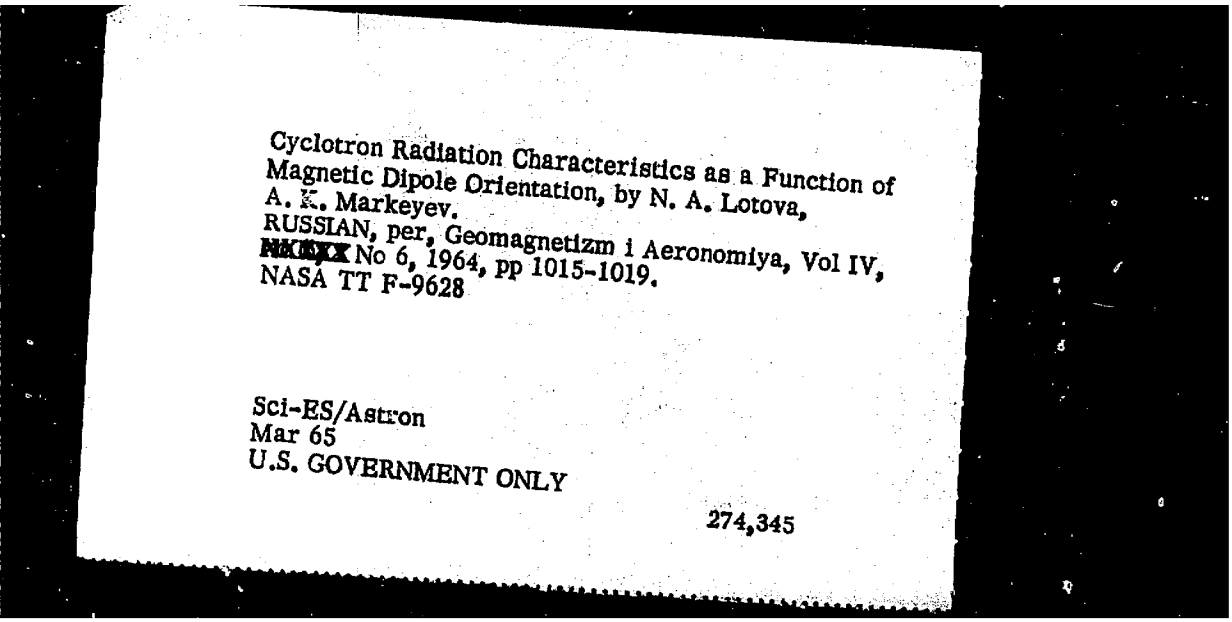

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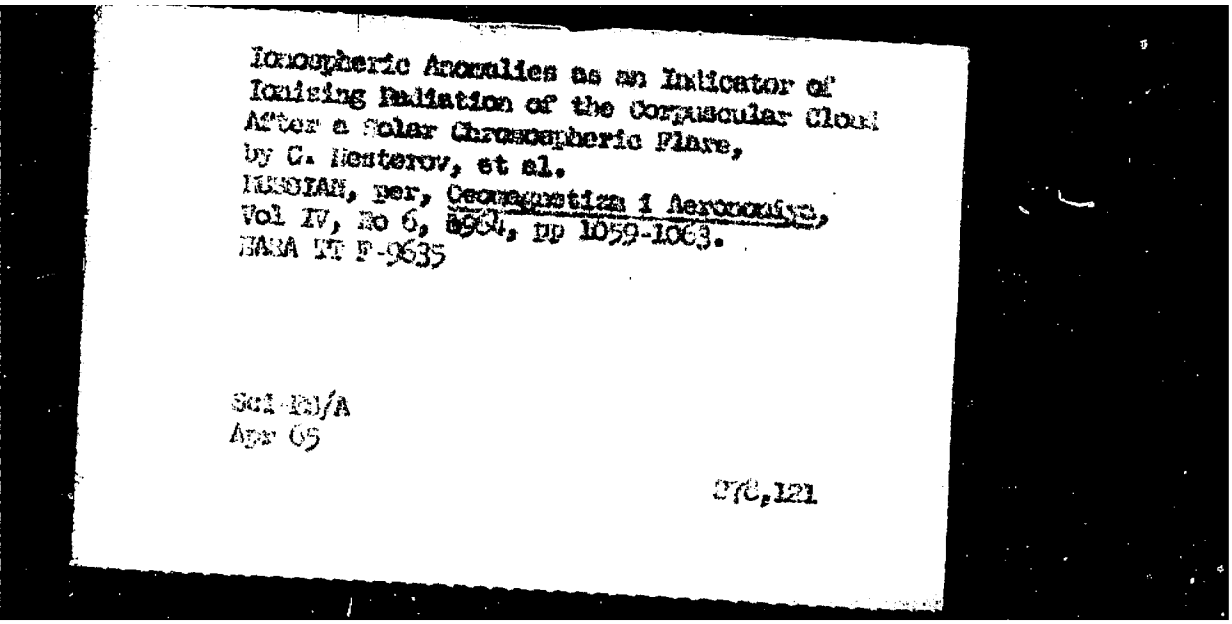

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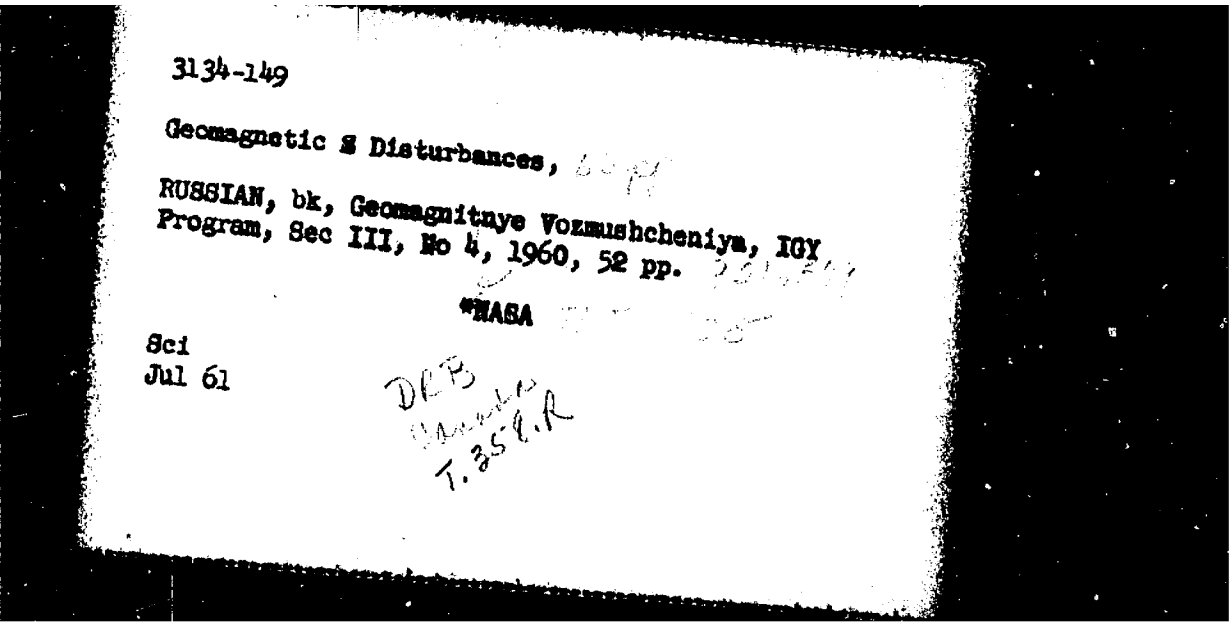

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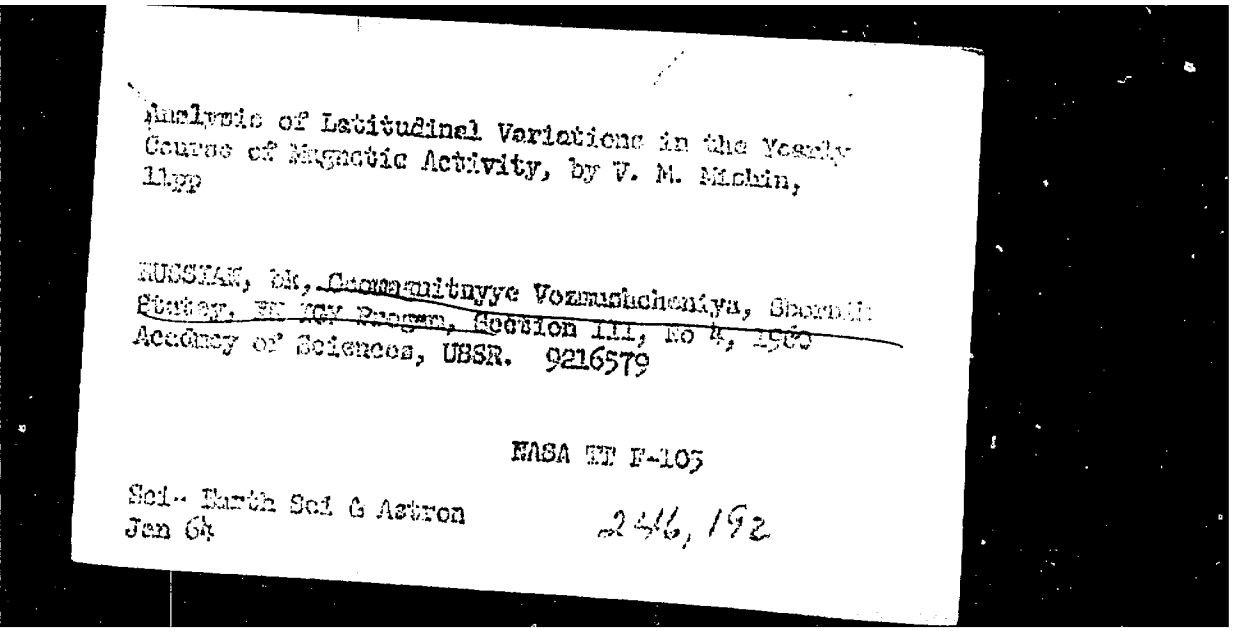

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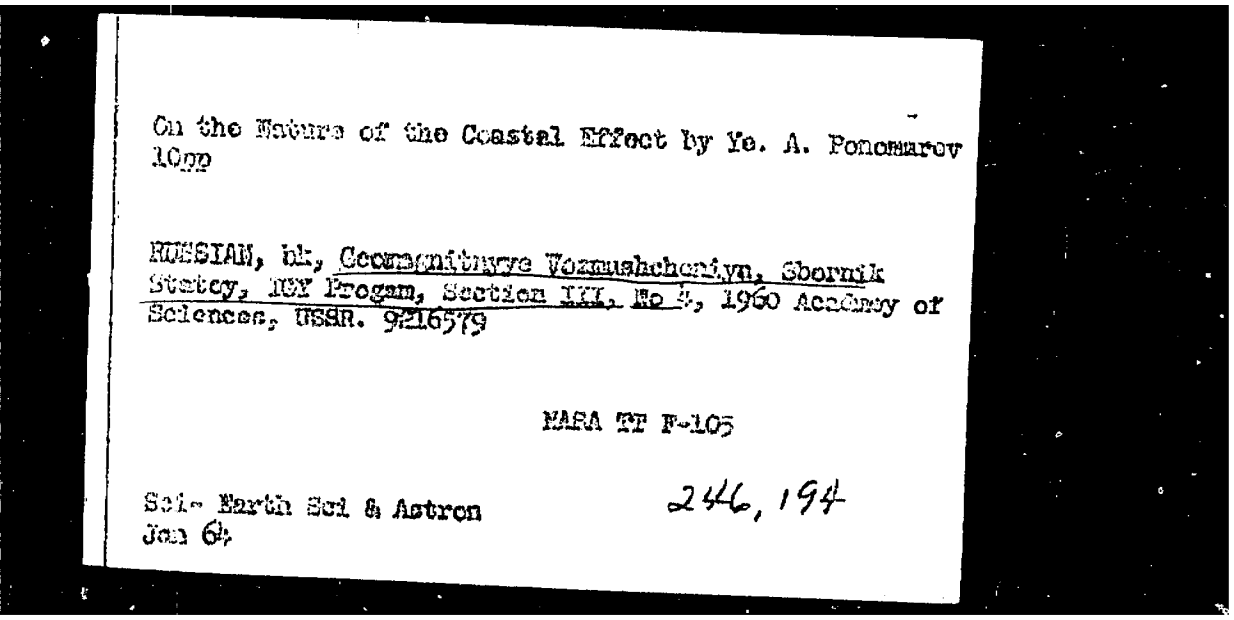

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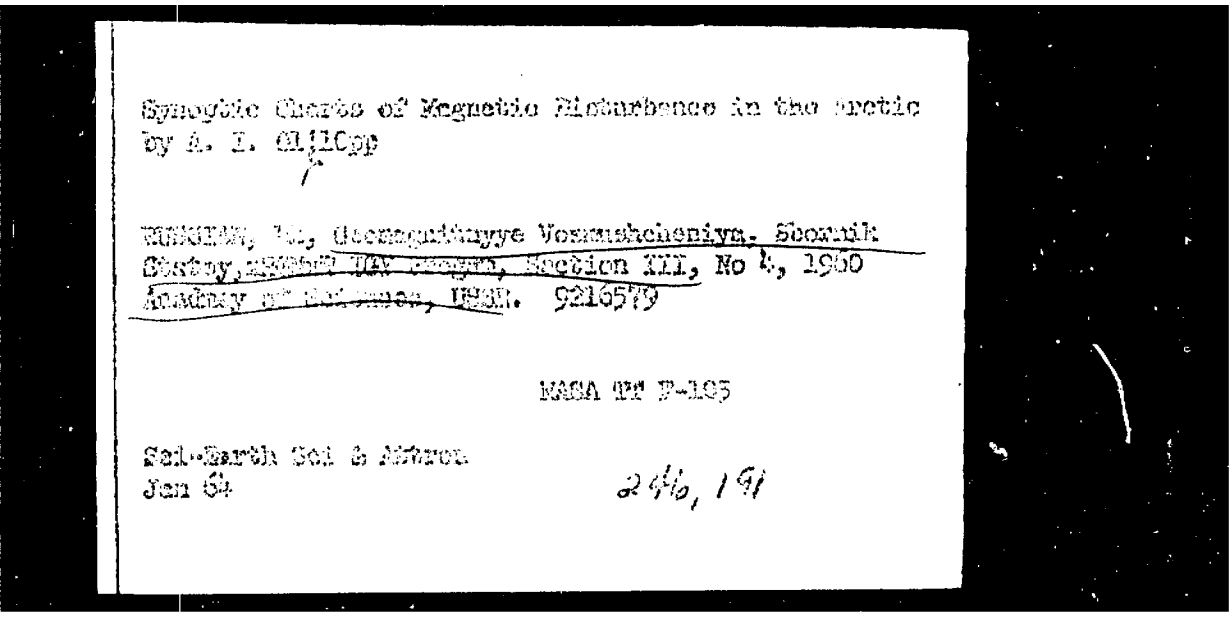

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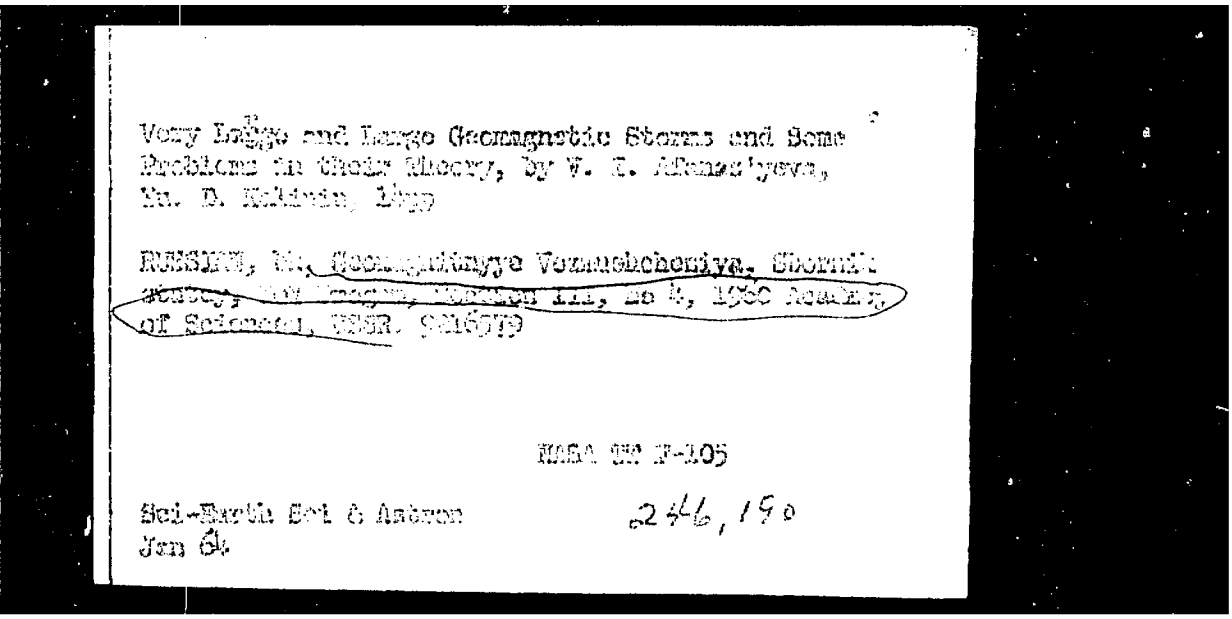

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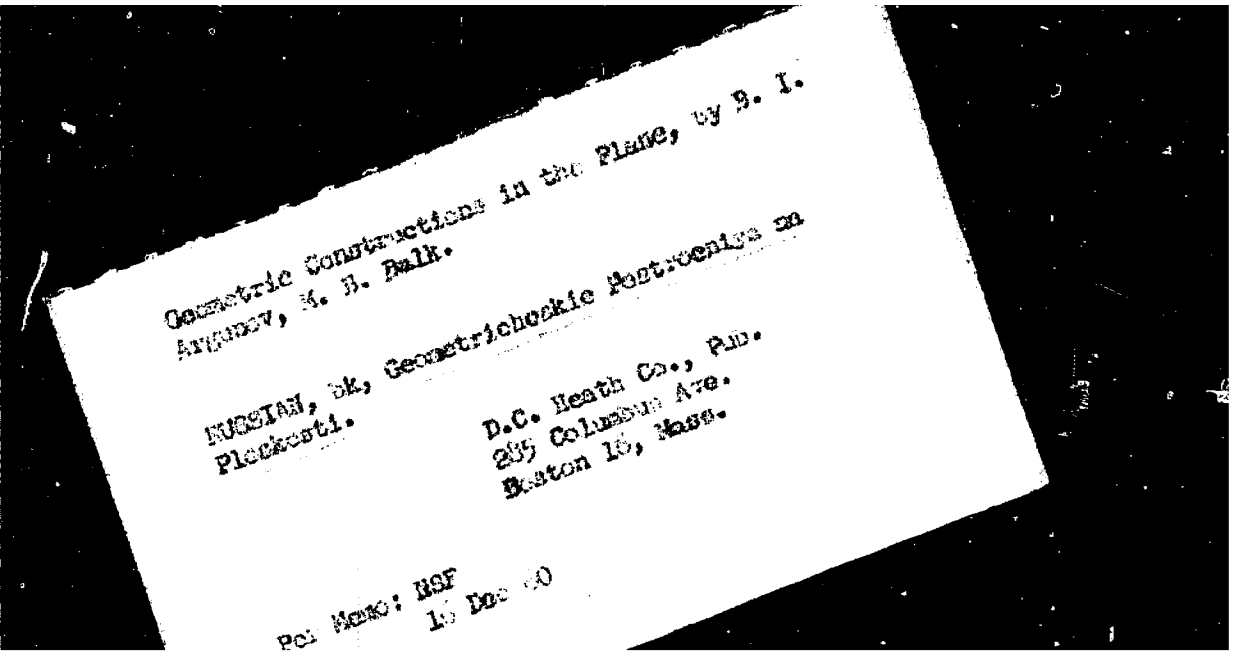

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